

International Summer School 2026

Smart Systems
for Ambient
Assisted Living



Iscte, Lisbon | 13 July 2026

Preliminary Program

09.30 - 9.40

SmartAAL - Opening Ceremony

Octavian Postolache, Mariana J. Rodrigues

09.40 - 10.10

Presentation of the Summer School Program

Introduction to the Functioning and Activity Content Associated with Summer School. Presentation of the trainers and summer school participants

10.10 - 10.30 | **COFFEE BREAK**

10.30 - 12.00

Ambient Assisting Living Everywhere: From Health Status to Environment Monitoring

Prof. Octavian Postolache

Iscte-IUL and Instituto de Telecomunicações, Portugal

12.00 - 13.30 | **LUNCH BREAK**

13.30 - 15.00

E-textile for Wearable Solutions

Prof. Helder Carvalho

Universidade do Minho, Portugal

15.30 - 16.10

AI-Driven Semantic Modeling of Medical Data for Smart Healthcare and Ambient Assisted Living (AAL)

Prof. Saida Tastanova, Tashkent University of Information Technologies, Tashkent, Uzbekistan

International Summer School 2026

Smart Systems
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Iscte , Lisbon | 14 July 2026

Preliminary Program

09.00 - 10.30

SmartAALbyMy Own: My Work and My Ideas

Summer School participants and Mentors: Round Table

10.30 - 10.45 | **COFFEE BREAK**

10.45 - 11.30

XOG Techniques in ALL for Disabled People

Dr. Alberto López Martínez

University of Oviedo and UNED, Spain

11.30 - 12.15

3D Modeling for Digital Twins

Stefan Postolache

Iscte-IUL and Instituto de Telecomunicações, Portugal

12.15 - 13.30 | **LUNCH BREAK**

13.30 - 15.30

Mathematical Modeling of Thermo-Magneto -Electro- Elastic Smart Thin Plates: Complex Variable Approach and Application in Smart Systems

Prof. Fakhiddin Nuraliev

Tashkent University of Information Technologies, Tashkent, Uzbekistan

Design of Digital Solutions for Therapy based on Extended Reality, Serious Games and Gamification

Prof. Rui Madeira

Instituto Politécnico de Setúbal, Nova, Portugal

International Summer School 2026

Smart Systems
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Iscte, Lisbon | 15 July 2026

Preliminary Program

09.00 - 09.30

Stress Monitoring Study for People Working at Computers [Online]

Prof. Dan Milici, University of Suceava, Romania

09.30 - 10.45

Biomedical Devices for AAL-Monitoring at Home

Prof. Mariana J. Rodrigues, Prof. Octavian Postolache, Raju Miah,
Miguel Gil

Iscte-IUL and Instituto de Telecomunicações, Portugal

10.45 - 11.00 | COFFEE BREAK

11.00 - 13.30

Co-design for AAL & Co-design in FabLab

Prof. Alexandra Paio, Iscte-IUL, Portugal

Dr. João Pedro Sousa, VFABLAB, Iscte-IUL, Portugal

Dr. João Boavida, VFABLAB, Iscte-IUL, Portugal

13.30 - 14.30 | LUNCH BREAK

14.30 - 15.30

AAL in Healthcare Digital Transformation ERA

Raul Martins

Whymob - Portugal

18.00 - 20.30 | LISBON TO PORTO



International Summer School 2026

Smart Systems
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FEUP, Porto | 16 July 2026

Preliminary Program

09.00 - 10.30

Remote Sensing: Applied Thermography

Prof. Joaquim Mendes

Engineering Faculty, Universidade do Porto, Portugal

10.30 - 11.00

AAL in the Outdoor Environment: Air Quality Monitoring in Jardim do Palácio de Cristal

Prof. Mariana Jacob Rodrigues

Iscte-IUL and Instituto de Telecomunicações, Portugal

11.00 - 12.00

AAL in the Outdoor Environment: Water and Soil Quality Monitoring in Jardim do Palácio de Cristal

Prof. Octavian Postolache

Iscte-IUL and Instituto de Telecomunicações, Portugal

12.00 - 15.00 | **LUNCH BREAK AND ARRIVAL TO
OUTDOOR MEASUREMENT SESSION**

15.00 - 18.00

AAL in Outdoor Environment: Deployment and Validation of the Developed Systems

Summer School Participants and Mentors

18.00 - 20.30 | **IEEE IMS GALA DINNER**



International Summer School 2026

Smart Systems
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FEUP, Porto | 17 July 2026

Preliminary Program

09.00 - 10.00

RemoteSensing: Acoustic Ecology

Prof. Octavian Postolache

Iscte-IUL and Instituto de Telecomunicações, Portugal

10.00 - 11.00

Industrial Design

Prof. Jorge Lino

FE, Universidade do Porto, Portugal

11.00 - 11.15 | COFFEE BREAK

11.15 - 12.00

IndustrialDesign: Practical Session

Prof. Jorge Lino

FE, Universidade do Porto, Portugal

12.00 - 13.00 | LUNCH BREAK

15.00 - 18.00

Closing Ceremony

SummerSchoolParticipants and Mentors



International Summer School 2026

Smart Systems for Ambient Assisted Living

📍 Iscte-University Institute of Lisbon, Portugal

DATES

13-17 July 2026

OBJECTIVES

The course focuses on innovative sensing technologies, measurement systems, and AI applications.

Program Highlights

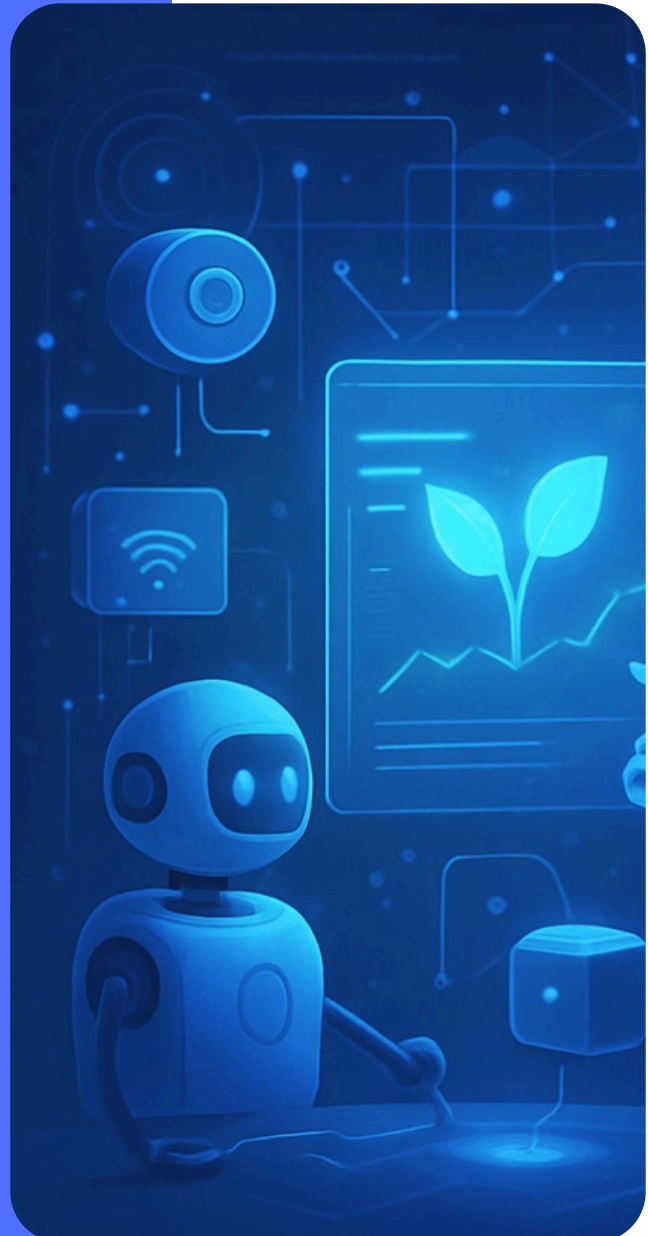
- Research challenges and applications of smart sensors, instrumentation, measurement systems, IoT technologies, social services, and tele-health.
- Hands-on training in software technologies for intelligent systems and Ambient Assisted Living (AAL).
- AI and data-driven approaches for AAL, including technology evaluation, usability, and adoption

WHO CAN APPLY

MSc and PhD Students

REGISTRATION FEE

300€



CHAIR

Prof. Octavian Postolache
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